



UNIVERSITAT DE BARCELONA



Facultat de Medicina

Plan Docent de la Assignatura 5: "Rare Anaemias Due to Defective Erythropoiesis"

Màster en Competències Mèdiques Avançades - Anemias Raras i síndromes relacionados

GENERAL DATA

Subject: 5. RARE ANAEMIAS DUE TO DEFECTIVE ERYTHROPOIESIS

Code:

Type : Optional

Schedule: To be defined

Departments involved: Medicine

Coordinator:

Joan-LLuis Vives Corrons (Departament de Medicina, Universitat de Barcelona, Unidad de Patología Eritrocitaria)

Academia:

1. Régis Peffault de la Tour
2. Antonis Kattamis
3. Carlo Dufour
4. Emanuele Angelucci
5. M. Letícia Ribeiro
6. Lydie Da Costa
7. Mayka sanchez
8. Hannah Tamary
9. Achille iolascon
10. Dorine Swinkels
11. Hannah Tamary

Credits ECTS: 3

Subject total teaching time (in hours):75

- **Presential (teacher):** 50
- **Autonomous (student):** 25

Requirements for subject learning

Skills to be developed

TRANSVERSAL SKILLS

- Being able to interact with other medical specialists to advise them
- Ability to work in interdisciplinary teams and collaborate with other researchers together, act independently and use initiative
- Ability to teach and disseminate knowledge in the social environment in both expert and non-expert audiences, clearly and in different languages
- Ability to integrate knowledge and ways to deal with the complexity and formulate judgments based on limited information, but so thoughtful, considering social and ethical repercussions of the trials
- To keep up to date knowledge exposed in the field of the international scientific community, that is, to seek, obtain and interpret information obtained in biomedical databases and other sources
- Being able to know the principles of bioethics and medico-legal research and professional activities in the field of biomedicine

SPECIFIC SKILLS

- Knowing the epidemiological, pathogenic, clinical and therapeutic advances of major erythropoietic defects
- Know the most advanced and complementary clinical diagnostic examinations of major erythropoietic defects
- Be able to recognize, interpret and diagnose properly laboratory abnormalities of the erythropoietic defects
- To develop, implement and evaluate clinical practice guidelines for patients with erythropoietic defects

Subject Learning Objectives

A. General Objectives

The main objective of the course is to help train clinicians and researchers in the field of quality major erythropoietic defects in a very well defined as a unit of care is an area of excellence for translational research. Erythropoietic defects represent a systemic problem with increasing incidence and high associated morbidity.

B. Specific Objectives

To know in depth the erythropoiesis and its defects, their etiological mechanism/s and their main clinical manifestations and research possibilities. Furthermore, to assess the results of clinical trials in the international development of new biological treatments cost-effectiveness studies.

Subject 5. Rare anaemias due to defective erythropoiesis

Date	Topic	Chapter	Professor	Language
	5.1 Aplastic anemia (AA) (10h)	5.1.1 Pathophysiological and molecular basis (2h)	Régis Peffault de la Tour	English
		5.1.2 Clinical diagnosis (2h)	Antonis Kattamis	English
		5.1.3 Laboratory diagnosis. Peripheral blood and bone marrow (2h)	Antonis Kattamis	English
		5.1.4 Investigations. Imaging techniques (2h)	Carlo Dufour	English
		5.1.5 Treatment and clinical follow (2)	Emanuele Angelucci	English
	5.2 Diamond-Blackfan Anemia (DBA) (10h)	5.2.1 Pathophysiological and molecular basis (2h)	M. Letícia Ribeiro	English
		5.2.2 Clinical diagnosis (2h)	Lydie Da Costa	English
		5.2.3 Laboratory diagnosis. Peripheral blood and bone marrow (2h)	Lydie Da Costa	English
		5.2.4 Investigations. Imaging techniques (2h)	Lydie Da Costa	English
		5.2.5 Treatment and clinical follow (2h)	Lydie Da Costa	English
	5.3 Dyserythropoietic Congenital Anemia (CDA) (30h)	CDA I		
		5.3.1 Pathophysiological and molecular bases (2h)	Mayka sanchez	English
		5.3.2 Clinical diagnosis (2h)	Hannah Tamary	English
		5.3.3 Laboratory diagnosis. Peripheral blood and bone marrow (2h)	Hannah Tamary	English
		5.3.4 Investigations. Imaging techniques (2h)	Hannah Tamary	English
		5.3.5 Treatment and clinical follow (2h)	Hannah Tamary	English
		CDA II		
		5.3.6 Pathophysiological and molecular bases (2h)	Achille iolascon	English
		5.3.7 Clinical diagnosis (2h)	Dorine Swinkels	English
		5.3.8 Laboratory diagnosis. Peripheral blood and bone marrow (2h)	Dorine Swinkels	English

- A. **Main Lectures:** They will have a duration of 60 minutes; The first 40 minutes will be devoted to the exhibition of the teaching topic by the teacher and the remaining 20 minutes will be devoted to the interaction between students and teacher on the key issues of teaching topic theme (18 lectures= 18 hours).
- B. **Interactive Seminars:** Will last 60 minutes and they will present case studies that the approach to analyze diagnostic and therapeutic evolution of patients with major erythropoietic defects (5 seminars = 5 hours).
- C. **Student supervised task:** Students will prepare for approximately 1 hour each of the teaching classes / seminars and, for this, the teacher will provide a minimum of 2 articles in PDF format on the topic of the corresponding subject (class or seminar) (25 x 1 hour classes / seminars = 25 hours).
- D. **Self Assessment :** At the end of the course (maximum two weeks after the last lecture), students must submit a portfolio summarizing skills acquired in this course (Independent task = 25 hours).

Evaluation

Attendance and degree of participation in lectures and interactive seminars (40%) Realization of autonomous work, presentation and discussion with the teacher (60%)

Essential information resources

RELEVANT BIBLIOGRAPHY